

17. (new) The polynucleotide of Claim 13 wherein the nucleotide sequence comprises one of SEQ ID NO:5.
18. (new) A vector comprising the polynucleotide of Claim 13.
19. (new) A recombinant DNA construct comprising the polynucleotide of Claim 13 operably linked to at least one regulatory sequence.
20. (new) A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 13.
21. (new) A cell comprising the recombinant DNA construct of Claim 19.
22. (new) A method for producing a plant comprising transforming a plant cell with the polynucleotide of Claim 13 and regenerating a plant from the transformed plant cell.
23. (new) A plant comprising the recombinant DNA construct of Claim 19.
24. (new) A seed comprising the recombinant DNA construct of Claim 19.
25. (new) A method of altering the level of expression of a 5,10-methylenetetrahydrofolate reductase in a host cell comprising: (a) transforming a host cell with the recombinant DNA construct of Claim 19; and (b) growing the transformed host cell under conditions that are suitable for expression of the recombinant DNA construct wherein expression of the recombinant DNA construct results in production of altered levels of the 5,10-methylenetetrahydrofolate reductase in the transformed host cell.